

Title (en)

SYSTEMS AND METHODS FOR THE ASSESSMENT OF G-PROTEIN ACTIVATION

Title (de)

SYSTEME UND VERFAHREN ZUR BEWERTUNG DER G-PROTEIN-AKTIVIERUNG

Title (fr)

SYSTÈMES ET PROCÉDÉS POUR L'ÉVALUATION D'UNE ACTIVATION DES PROTÉINES G

Publication

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Application

EP 18868173 A 20181015

Priority

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Abstract (en)

[origin: WO2019075556A1] Systems and methods for the monitoring of G protein activation at various cell compartments, such as the plasma membrane and the endosomes, and in a Gα protein subunit family-selective manner are described. These systems and methods also allows the monitoring of G protein-coupled receptor (GPCR)-mediated as well as non-receptor guanine nucleotide exchange factor (GEF)-mediated G protein activation, and are based on the use of the G protein- binding domains of specific effectors of G proteins and cellular compartment markers, tagged with suitable energy (BRET) donors and acceptors.

IPC 8 full level

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